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OM protein - protein search, using sw model

Run on: March 29, 2002, 09:46:25 ; Search time 14.16 Seconds  
(without alignments)  
1277.729 Million cell updates/sec

Title: US-09-116-676-10  
Perfect score: 4363  
Sequence: 1 MICRQFCVLLHWEFIYIT.....WLRISSSVKYIHGKFTIL 804

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues

Total number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.\*  
1: /cgn2\_6/ptodata/2/iaa/5A.COMB.pep.\*  
2: /cgn2\_6/ptodata/2/iaa/5B.COMB.pep.\*  
3: /cgn2\_6/ptodata/2/iaa/6A.COMB.pep.\*  
4: /cgn2\_6/ptodata/2/iaa/6B.COMB.pep.\*  
5: /cgn2\_6/ptodata/2/iaa/PCTUS.COMB.pep.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	4337	99.4	1165	2	US-08-599-455B-4
2	4337	99.4	1165	4	US-09-093-814-1
3	4337	99.4	1165	4	US-09-069-781B-4
4	4325	99.1	898	2	US-08-693-697-36
5	4325	99.1	908	2	US-08-693-697-33
6	4325	99.1	960	1	US-08-355-888A-8
7	4325	99.1	960	2	US-08-693-697-8
8	4325	99.1	960	3	US-08-640-389A-3
9	4325	99.1	960	3	US-08-693-696-8
10	4320	99.0	960	2	US-08-588-190-3
11	4315	98.9	908	2	US-08-388-526-3
12	4309	98.8	1165	2	US-08-640-389A-11
13	4297	98.5	896	2	US-08-640-389A-10
14	4297	98.5	906	2	US-08-640-389A-9
15	4297	98.5	958	2	US-08-640-389A-8
16	3361	77.0	896	2	US-08-640-389A-12
17	3345	76.7	894	2	US-08-599-455B-2
18	3345	76.7	894	4	US-09-069-781B-2
19	3345	76.7	1162	2	US-08-599-455B-43
20	3345	76.7	1162	4	US-09-069-781B-43
21	3342	76.6	1162	4	US-08-803-346-1
22	3334	76.4	895	4	US-08-827-962-19
23	3334	76.4	1162	4	US-08-827-962-15
24	3328	76.3	1162	4	US-08-827-962-20
25	3308	75.8	895	4	US-08-827-962-21
26	3057	70.1	569	1	US-08-306-231-3
27	421	9.6	77	4	US-08-803-346-64

28 395 9.1 76 4 US-08-803-346-61 Sequence 61, Appl  
29 377 8.6 77 4 US-08-803-346-62 Sequence 62, Appl  
30 370 8.5 77 4 US-08-803-346-63 Sequence 63, Appl  
31 309.5 7.1 75 4 US-08-803-346-60 Sequence 60, Appl  
32 289.5 6.6 75 4 US-08-803-346-59 Sequence 59, Appl  
33 277.5 6.4 488 2 US-08-599-455B-5 Sequence 5, Appl  
34 277.5 6.4 488 4 US-03-069-781B-5 Sequence 5, Appl  
35 277.5 6.4 658 2 US-08-825-558-4 Sequence 4, Appl  
36 277.5 6.4 708 1 US-07-797-556-2 Sequence 2, Appl  
37 277.5 6.4 708 1 US-08-308-881-2 Sequence 2, Appl  
38 277.5 6.4 708 2 US-09-058-263-2 Sequence 2, Appl  
39 277.5 6.4 708 2 US-09-059-099-2 Sequence 2, Appl  
40 277.5 6.4 708 3 US-09-058-264-2 Sequence 2, Appl  
41 277.5 6.4 708 5 PCT-US95-06530-2 Sequence 2, Appl  
42 277.5 6.4 918 2 US-08-825-558-6 Sequence 6, Appl  
43 246.5 5.6 837 1 US-07-923-976-2 Sequence 2, Appl  
44 242.5 5.6 771 1 US-07-923-976-6 Sequence 6, Appl  
45 242.5 5.6 783 6 5422248-2 Patent No. 5422248

## ALIGNMENTS

RESULT 1  
US-08-599-455B-4  
; Sequence 4, Application US/08599455B  
; Patent No. 5972621  
; GENERAL INFORMATION:  
; APPLICANT: Tartaglia, Louis A.  
; APPLICANT: Tepper, Robert I.  
; APPLICANT: Culpepper, Janice A.  
; TITLE OF INVENTION: METHODS OF IDENTIFYING COMPOUNDS THAT  
; TITLE OF INVENTION: MODULATE BODY WEIGHT USING THE OB RECEPTOR  
; NUMBER OF SEQUENCES: 44  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson, P.C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: US  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows95  
; SOFTWARE: FASTSQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/599,455B  
; FILING DATE: 22-JAN-1996  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/583,153,  
; FILING DATE: 28-DEC-1995  
; APPLICATION NUMBER: 08/570,142  
; FILING DATE: 11-DEC-1995  
; APPLICATION NUMBER: 08/569,485  
; FILING DATE: 08-DEC-1995  
; APPLICATION NUMBER: 08/566,622  
; FILING DATE: 04-DEC-1995  
; APPLICATION NUMBER: 08/562,663  
; FILING DATE: 27-NOV-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Melklejohn, Ph.D., Anita L.  
; REGISTRATION NUMBER: 35,283  
; REFERENCE/DOCKET NUMBER: 07334/017001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617-542-5070  
; TELEFAX: 617-542-8906  
; TELEX: 200154  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1165 amino acids  
; TYPE: amino acid  
; TOPOLOGY: unknown

MOLECULE TYPE: protein  
FRAGMENT TYPE: internal  
US-08-599-455B-4

Query Match 99.4%; Score 4337; DB 2; Length 1165;  
Best Local Similarity 99.8%; Pred. No. 0;  
Matches 799; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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DB 1 MICQKFCVLLHWEFIYVITAFNLSPYTPWRFKLSCHMPNSTYDYFLLPAGLSKNTSNS 60
QY 61 NGHYETAPEKFNSSGTHFNSLKTTFHCCFRSEODRNCSLCADNIEGKTFVSTVNSLVF 120
DB 61 NGHYETAPEKFNSSGTHFNSLKTTFHCCFRSEODRNCSLCADNIEGKTFVSTVNSLVF 120
QY 121 QOIDANNIOCLWGLDKLFCYVESLFKNLFNRYNYKVHLLYVLPVLEDSPLVPQKGS 180
DB 121 QOIDANNIOCLWGLDKLFCYVESLFKNLFNRYNYKVHLLYVLPVLEDSPLVPQKGS 180
QY 181 FQMVHCNCSVHECCCLVPVPTAKLNDTLMLCKLITSGGVIFQSPMSVQPINNVKPDPP 240
DB 181 FQMVHCNCSVHECCCLVPVPTAKLNDTLMLCKLITSGGVIFQSPMSVQPINNVKPDPP 240
QY 241 LGLHMEITDDGNLKSWSPPPLVPFPLOQYQVYKSENSTTVIREADKIVSATSLVDSTLP 300
DB 241 LGLHMEITDDGNLKSWSPPPLVPFPLOQYQVYKSENSTTVIREADKIVSATSLVDSTLP 300
QY 301 GSSYEVOVGRKRLDGPGLWSDMSTPRVFTQDVYFPPKILTSVGSNVSFHCYKKNKI 360
DB 301 GSSYEVOVGRKRLDGPGLWSDMSTPRVFTQDVYFPPKILTSVGSNVSFHCYKKNKI 360
QY 361 VPSKEIVWMNLAEKIPQSOQYDVVSDHVSQVTFNENLNETKPRGFTYDAVYCCNEHECHH 420
DB 361 VPSKEIVWMNLAEKIPQSOQYDVVSDHVSQVTFNENLNETKPRGFTYDAVYCCNEHECHH 420
QY 421 RYAEIYVIDVNIINISCTDGYLTMTCTCRWSTSTQSLAESTLQRLYHRSSLYCSDIPSIIH 480
DB 421 RYAEIYVIDVNIINISCTDGYLTMTCTCRWSTSTQSLAESTLQRLYHRSSLYCSDIPSIIH 480
QY 481 PISEPKDCYLQSDGFEYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540
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DB 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKMYEYDAKSKSVSLPV 600
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DB 721 GASVANENLTFSPMKSVMKNIVQSLAYSAYPLNSSCVIVSWILSPSDYKLMYFIENKLNED 780
QY 781 GEIKWLRISSSVKKYYIHGKF 801
DB 781 GEIKWLRISSSVKKYYIHGKF 801
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## RESULT 2

US-09-093-814-1  
Sequence 1, Application US/09093814  
Patent No. 6270981  
GENERAL INFORMATION:  
APPLICANT: Carpenter et al.  
TITLE OF INVENTION: ASSAY SYSTEMS FOR LEPTIN-ENHANCING AGENTS

FILE REFERENCE: REG 580-A  
CURRENT APPLICATION NUMBER: US/09/093.814  
CURRENT FILING DATE: 1998-06-09  
PRIOR APPLICATION NUMBER: 60/049.108  
PRIOR FILING DATE: 1997-06-09  
NUMBER OF SEQ ID NOS: 1  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 1  
LENGTH: 1165  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-093-814-1

Query Match 99.4%; Score 4337; DB 4; Length 1165;  
Best Local Similarity 99.8%; Pred. No. 0;  
Matches 799; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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DB 1 MICQKFCVLLHWEFIYVITAFNLSPYTPWRFKLSCHMPNSTYDYFLLPAGLSKNTSNS 60
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DB 61 NGHYETAPEKFNSSGTHFNSLKTTFHCCFRSEODRNCSLCADNIEGKTFVSTVNSLVF 120
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DB 121 QOIDANNIOCLWGLDKLFCYVESLFKNLFNRYNYKVHLLYVLPVLEDSPLVPQKGS 180
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DB 181 FQMVHCNCSVHECCCLVPVPTAKLNDTLMLCKLITSGGVIFQSPMSVQPINNVKPDPP 240
QY 241 LGLHMEITDDGNLKSWSPPPLVPFPLOQYQVYKSENSTTVIREADKIVSATSLVDSTLP 300
DB 241 LGLHMEITDDGNLKSWSPPPLVPFPLOQYQVYKSENSTTVIREADKIVSATSLVDSTLP 300
QY 301 GSSYEVOVGRKRLDGPGLWSDMSTPRVFTQDVYFPPKILTSVGSNVSFHCYKKNKI 360
DB 301 GSSYEVOVGRKRLDGPGLWSDMSTPRVFTQDVYFPPKILTSVGSNVSFHCYKKNKI 360
QY 361 VPSKEIVWMNLAEKIPQSOQYDVVSDHVSQVTFNENLNETKPRGFTYDAVYCCNEHECHH 420
DB 361 VPSKEIVWMNLAEKIPQSOQYDVVSDHVSQVTFNENLNETKPRGFTYDAVYCCNEHECHH 420
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DB 421 RYAEIYVIDVNIINISCTDGYLTMTCTCRWSTSTQSLAESTLQRLYHRSSLYCSDIPSIIH 480
QY 481 PISEPKDCYLQSDGFEYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540
DB 481 PISEPKDCYLQSDGFEYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540
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DB 661 TLLWKPMLKNDLSQVQRYVINHHSTSCNGTWSDEVDGNHTKFTFLWTEQAHVTVVLAINSI 720
QY 721 GASVANENLTFSPMKSVMKNIVQSLAYSAYPLNSSCVIVSWILSPSDYKLMYFIENKLNED 780
DB 721 GASVANENLTFSPMKSVMKNIVQSLAYSAYPLNSSCVIVSWILSPSDYKLMYFIENKLNED 780
QY 781 GEIKWLRISSSVKKYYIHGKF 801
DB 781 GEIKWLRISSSVKKYYIHGKF 801
```

RESULT 3

US-09-069-781B-4

; Sequence 4, Application US/09069781B

; Patent No. 6287782

; GENERAL INFORMATION:

; APPLICANT: Tartaglia, Louis A.

; APPLICANT: Tepper, Robert I.

; APPLICANT: Culpepper, Janice A.

; APPLICANT: White, David W.

; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR

; TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,

; TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA

; NUMBER OF SEQUENCES: 50

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Fish & Richardson, P.C.

; STREET: 225 Franklin Street

; CITY: Boston

; STATE: MA

; COUNTRY: US

; ZIP: 02110-2804

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: Windows95

; SOFTWARE: FastSeq for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/069,781B

; FILING DATE: 29-APRIL-1998

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/864,564

; FILING DATE: 28-MAY-1997

; APPLICATION NUMBER: US 08/708,123

; FILING DATE: 03-SEP-1996

; APPLICATION NUMBER: US 08/638,524

; FILING DATE: 26-APR-1996

; APPLICATION NUMBER: US 08/599,455

; FILING DATE: 22-JAN-1996

; APPLICATION NUMBER: US 08/583,153

; FILING DATE: 28-DEC-1995

; APPLICATION NUMBER: US 08/570,142

; FILING DATE: 11-DEC-1995

; APPLICATION NUMBER: US 08/569,485

; FILING DATE: 08-DEC-1995

; APPLICATION NUMBER: US 08/566,622

; FILING DATE: 04-DEC-1995

; APPLICATION NUMBER: US 08/562,663

; FILING DATE: 27-NOV-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Meiklejohn, Ph.D., Anita L.

; REGISTRATION NUMBER: 35,283

; REFERENCE/DOCKET NUMBER: 07334/082001

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617) 542-5070

; TELEFAX: (617) 542-8906

; TELEX: 200154

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1165 amino acids

; TYPE: amino acid

; TOPOLOGY: unknown

; MOLECULE TYPE: protein

; FRAGMENT TYPE: internal

US-09-069-781B-4

Query Match

Best Local Similarity 99.4%; Score 4337; DB 4; Length 1165;

Matches 799; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Db 1 MICQKFCVLLHWEFIYVITAFNLSYPTWREKLSCHMPNSTDYDFLLPAGLSKNTSNS 60

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Db 61 NGHYETAVEPKFNSGTHFSNLSKTTFHCCFRSEODRNCSCADNIEGKTFVSTVNSLVF 120

Qy 121 QOIDANNIOCLWGLDKLFCYVESLFPKLNFRNRYNKHLLYVLPVLEDSPLVPQKGS 180

Db 121 QOIDANNIOCLWGLDKLFCYVESLFPKLNFRNRYNKHLLYVLPVLEDSPLVPQKGS 180

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Db 181 FQMVHCNSVHECECECLVPPTAKLNDTLLMCLKITSGGVIFQSPMLSVQPTNMVKPDP 240

Qy 241 LGLHMEITDDCNLKIWSWSSPPLVPFPLOQYQVYSENSTTVREADKIVSATSLVDSILP 300

Db 241 LGLHMEITDDCNLKIWSWSSPPLVPFPLOQYQVYSENSTTVREADKIVSATSLVDSILP 300

Qy 301 GSSYEVOVRGKRLDGPGLWSDMSTPRVFTTODVLYFPKILTSVGSNSVSHCIYKKNKI 360

Db 301 GSSYEVOVRGKRLDGPGLWSDMSTPRVFTTODVLYFPKILTSVGSNSVSHCIYKKNKI 360

Qy 361 VPSKEIVMMNLAEKIPQSOYDVYSDHVSRYTFNENLNETKPRGFTYDAVYCCNEHECHH 420

Db 361 VPSKEIVMMNLAEKIPQSOYDVYSDHVSRYTFNENLNETKPRGFTYDAVYCCNEHECHH 420

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Db 421 RYAEIYVIDVNIINISCTDGYLTMTKRWSTSTQSLAESTLQRLYHRSSLYCSDIPSIIH 480

Qy 481 PISEPKDCYLOSOGFYECIQPIELLSGYTMWIRINISLGLSDSPPTCPLDPSVVKPLPP 540

Db 481 PISEPKDCYLOSOGFYECIQPIELLSGYTMWIRINISLGLSDSPPTCPLDPSVVKPLPP 540

Qy 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKMVEYDAKSKSVSLPV 600

Db 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKMVEYDAKSKSVSLPV 600

Qy 601 PDLCAVYAVQVRKRLDGLGYSNWSNPAYTVVMDIKVPMRGPEFWIRINGDTMKKEKNV 660

Db 601 PDLCAVYAVQVRKRLDGLGYSNWSNPAYTVVMDIKVPMRGPEFWIRINGDTMKKEKNV 660

Qy 661 TLLWKPLMKNDLSGVORYVINHHTSCNGTWSVDGHNHTKFTFLWTEOAHVTVVLAINSI 720

Db 661 TLLWKPLMKNDLSGVORYVINHHTSCNGTWSVDGHNHTKFTFLWTEOAHVTVVLAINSI 720

Qy 721 GASVANENLTFSPMSKVNIVQSLSAVPLNSSCVIVSWILSPSDYKLMFYLIENKNLNE 780

Db 721 GASVANENLTFSPMSKVNIVQSLSAVPLNSSCVIVSWILSPSDYKLMFYLIENKNLNE 780

Qy 781 GEIKWLRISSVKKYIYTHGF 801

Db 781 GEIKWLRISSVKKYIYTHGF 801

RESULT 4

US-08-693-697-36

; Sequence 36, Application US/08693697

; Patent No. 5869610

; GENERAL INFORMATION:

; APPLICANT: Snodgrass, H. R.

; APPLICANT: Cioffil, Joseph

; APPLICANT: Zupancic, Thomas J.

; APPLICANT: Shafer, Alan W.

; TITLE OF INVENTION: Hu-B1.219, A NOVEL HUMAN HEMATOPOIETIN

; TITLE OF INVENTION: RECEPTOR

; NUMBER OF SEQUENCES: 38

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie & Edmonds

; STREET: 1155 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: USA

ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: FastSO for Windows Version 2.0b  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/693,697  
FILING DATE: 05-AUG-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Poissant, Brian M.  
REGISTRATION NUMBER: 28,462  
REFERENCE/DOCKET NUMBER: 8907-0037-999  
TELEPHONE: 650-493-4935  
TELEFAX: 650-493-5556  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 36:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 998 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FRAGMENT TYPE: internal  
US-08-693-697-36

Query Match 99.1%; Score 4325; DB 2; Length 898;  
Best Local Similarity 99.4%; Pred. No. 0;  
Matches 796; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

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Db 63 NGHETAVEPKFNSGGTHFNSLTKTHCCFRSDQNRCSLCADNIEGKTFVSTVNSLVF 122

QY 121 QOIDANNIOWCLAGDKLFCYVESLFKNLFNRYNTKVHLLYVLPVLEDSPLVPKGS 180  
Db 123 QOIDANNIOWCLAGDKLFCYVESLFKNLFNRYNTKVHLLYVLPVLEDSPLVPKGS 182

QY 181 FQMVHCNCSVHECCCLVPVPTAKLNDTLMLCKLITSGGVIFQSPMSVQPINNVKPDPP 240  
Db 183 FQMVHCNCSVHECCCLVPVPTAKLNDTLMLCKLITSGGVIFQSPMSVQPINNVKPDPP 242

QY 241 LGLHWEITDDGNLAKISWSSPLVPFPLOQYQVKYSENSTTVIREADKIVSATSLVDSTLP 300  
Db 243 LGLHWEITDDGNLAKISWSSPLVPFPLOQYQVKYSENSTTVIREADKIVSATSLVDSTLP 302

QY 301 GSSVEVQVRGRKLDGPGTWSDMSTPRVFTTQDVIYFPPKILTSVGSNVSFHCYKKNKI 360  
Db 303 GSSVEVQVRGRKLDGPGTWSDMSTPRVFTTQDVIYFPPKILTSVGSNVSFHCYKKNKI 362

QY 361 VPSKEIVMMNLAKEIPQSDYDVVSDHVSFKVTFNLTNPKRGKFTYDAVYCCNEHECHH 420  
Db 363 VPSKEIVMMNLAKEIPQSDYDVVSDHVSFKVTFNLTNPKRGKFTYDAVYCCNEHECHH 422

QY 421 RYAEIYVDVNIWISCTDGLTKMTCTWSTSTIOSLAESTLQRLYHRSSLYCSDIPSIIH 480  
Db 423 RYAEIYVDVNIWISCTDGLTKMTCTWSTSTIOSLAESTLQRLYHRSSLYCSDIPSIIH 482

QY 481 PISEPKCYLQSDGFYECIFOPILLSGYTWIRINHSGLSDSPPTCVLPDSVVKPLPP 540  
Db 483 PISEPKCYLQSDGFYECIFOPILLSGYTWIRINHSGLSDSPPTCVLPDSVVKPLPP 542

QY 541 SSVKAEITINIGLLKISWEKVPFPPENNIFQIRYGLSGKEVQWKMYEYDAKSKSVSLPV 600  
Db 543 SSVKAEITINIGLLKISWEKVPFPPENNIFQIRYGLSGKEVQWKMYEYDAKSKSVSLPV 602

QY 601 PDLCAVYAVOVRCRRLDGLGYWSNPNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
Db 603 PDLCAVYAVOVRCRRLDGLGYWSNPNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 662

QY 661 TLLWKPLMKNDLSLCSVQRYVINHHTSCNGTWSDEGVNHTKFTFLWTEQAHTVTVLAINSI 720  
Db 663 TLLWKPLMKNDLSLCSVQRYVINHHTSCNGTWSDEGVNHTKFTFLWTEQAHTVTVLAINSI 722

QY 721 GASVANENLTFSPMSKVNIQVLSAYPLNSSCVIVSWILSPSDYKLMYFLIEWKNLNED 780  
Db 723 GASVANENLTFSPMSKVNIQVLSAYPLNSSCVIVSWILSPSDYKLMYFLIEWKNLNED 782

QY 781 GEIKWLRISSSVKKYYIHGKF 801  
Db 783 GEIKWLRISSSVKKYYIHDF 803

RESULT 5  
US-08-693-697-33  
Sequence 33, Application US/08693697  
Patent No. 5869610  
GENERAL INFORMATION:  
APPLICANT: Snodgrass, H. R.  
APPLICANT: Cioffi, Joseph  
APPLICANT: Zupancic, Thomas J.  
APPLICANT: Shafer, Alan W.  
TITLE OF INVENTION: Hu-B1.219, A NOVEL HUMAN HEMATOPOIETIN  
TITLE OF INVENTION: RECEPTOR  
NUMBER OF SEQUENCES: 38  
CORRESPONDENCE ADDRESS:  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: FastSO for Windows Version 2.0b  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/693,697  
FILING DATE: 05-AUG-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Poissant, Brian M.  
REGISTRATION NUMBER: 28,462  
REFERENCE/DOCKET NUMBER: 8907-0037-999  
TELEPHONE: 650-493-4935  
TELEFAX: 650-493-5556  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 33:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 998 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FRAGMENT TYPE: internal  
US-08-693-697-33

Query Match 99.1%; Score 4325; DB 2; Length 908;  
Best Local Similarity 99.4%; Pred. No. 0;  
Matches 796; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 MICOKFCVLLHWEFIYVITAFNLSYPTTPWRFKLSCHPPNSTYDYFLLPAGLSKNTSNS 60  
Db 3 MICOKFCVLLHWEFIYVITAFNLSYPTTPWRFKLSCHPPNSTYDYFLLPAGLSKNTSNS 62

QY 61 NGHETAVEPKFNSGGTHFNSLTKTHCCFRSDQNRCSLCADNIEGKTFVSTVNSLVF 120

Db 63 NGHYETAVERFNSGTHFSNLSKATFHCRCFSDRNCSLCADNIEGRTFVSTVNSLVP 122  
Qy 121 QOIDANNIOWKLGDLKLFICYVESLFCNLFNRYNFKVHLLYVLPVLEDSPLVPQKGS 180  
Db 123 QOIDANNIOWKLGDLKLFICYVESLFCNLFNRYNFKVHLLYVLPVLEDSPLVPQKGS 182  
Qy 181 FQMVHCNCSVHECCCLVPPVPTAKLNDTLMLCLKITSGGVIFQSPMSVOPINNVKPDPP 240  
Db 183 FQMVHCNCSVHECCCLVPPVPTAKLNDTLMLCLKITSGGVIFQSPMSVOPINNVKPDPP 242  
Qy 241 LGLHMEITDDGNLKISNSSPPLVPFQYQVYKYSNSTTIVIRADKIVSATSLVDSILP 300  
Db 243 LGLHMEITDDGNLKISNSSPPLVPFQYQVYKYSNSTTIVIRADKIVSATSLVDSILP 302  
Qy 301 GSSYEVOVRKRLDGPVSDWSTPRVFTTQDVIYFPKILTSVGSNVSFHCYKKNKI 360  
Db 303 GSSYEVOVRKRLDGPVSDWSTPRVFTTQDVIYFPKILTSVGSNVSFHCYKKNKI 362  
Qy 361 VPSKEIYVWNNLAEKIPQSOYDVVSDHVSQVTFNKLNETKPRGKFTYDAVYCCNEHECHH 420  
Db 363 VPSKEIYVWNNLAEKIPQSOYDVVSDHVSQVTFNKLNETKPRGKFTYDAVYCCNEHECHH 422  
Qy 421 RYAEIYVIDVNIINISCTDGYLTMTKRCWSTSTIOSLAESTLQRLYHRSSLYCSDIPSIH 480  
Db 423 RYAEIYVIDVNIINISCTDGYLTMTKRCWSTSTIOSLAESTLQRLYHRSSLYCSDIPSIH 482  
Qy 481 PISEPKDCYLOSDGFYECIFQPIFLLSGVTMTWIRINHSGLSDSPPTCVLPVSVKPLPP 540  
Db 483 PISEPKDCYLOSDGFYECIFQPIFLLSGVTMTWIRINHSGLSDSPPTCVLPVSVKPLPP 542  
Qy 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKYEVYDAKSVSPLV 600  
Db 543 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKYEVYDAKSVSPLV 602  
Qy 601 PDLCAVYAVQVRCKRLDGLGYWSNWSNPAYTVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
Db 603 PDLCAVYAVQVRCKRLDGLGYWSNWSNPAYTVMDIKVPMRGPEFWRIINGDTMKKEKNV 662  
Qy 661 TLLWKLPMKNDLSQVQRYVINHHTSCNGTWSDEDVGNHTKFTFLWTEQHTVTVLAINSI 720  
Db 663 TLLWKLPMKNDLSQVQRYVINHHTSCNGTWSDEDVGNHTKFTFLWTEQHTVTVLAINSI 722  
Qy 721 GASVANFNLTFSWPMKSNVQVSLQSLAYPLNNSCVITVSWILSPSDYKLMFYFIEWKNLNED 780  
Db 723 GASVANFNLTFSWPMKSNVQVSLQSLAYPLNNSCVITVSWILSPSDYKLMFYFIEWKNLNED 782  
Qy 781 GEIKWLRISSSVKYYIHGKF 801  
Db 783 GEIKWLRISSSVKYYIHDF 803

## RESULT 6

US-08-355-888A-8  
; Sequence 8, Application US/08355888A  
; Patent No. 5763211

## GENERAL INFORMATION:

; APPLICANT: Snodgrass, H. R.  
; APPLICANT: Clodoff, Joseph  
; APPLICANT: Zupancic, Thomas J.  
; APPLICANT: Shafer, Alan W.  
; TITLE OF INVENTION: Hu-BL.219, A NOVEL HUMAN HEMATOPOIETIN  
; TITLE OF INVENTION: RECEPTOR  
; NUMBER OF SEQUENCES: 31  
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie & Edmonds  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10036-2711  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/355,888A  
; FILING DATE: 14-DEC-1994  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Polissant, Brian M.  
; REGISTRATION NUMBER: 28,462  
; REFERENCE/DOCKET NUMBER: 7225-078  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 790-9090  
; TELEFAX: (212) 869-9741/8864  
; TELEX: 66141 PENNIE  
; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 960 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-355-888A-8

Query Match 99.18; Score 4325; DB 1; Length 960;

Best Local Similarity 99.4%; Pred. No. 0;

Matches 796; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 1 MICQKFCVLLHWEFYIVITAFNLSYPTIPWRFKLSCMPNPNSTYDYFLPAGLSKNTS 60

Db 3 MICQKFCVLLHWEFYIVITAFNLSYPTIPWRFKLSCMPNPNSTYDYFLPAGLSKNTS 62

Qy 61 NGHYETAVERFNSGTHFSNLSKATFHCRCFSDRNCSLCADNIEGRTFVSTVNSLVP 120

Db 63 NGHYETAVERFNSGTHFSNLSKATFHCRCFSDRNCSLCADNIEGRTFVSTVNSLVP 122

Qy 121 QOIDANNIOWKLGDLKLFICYVESLFCNLFNRYNFKVHLLYVLPVLEDSPLVPQKGS 180

Db 123 QOIDANNIOWKLGDLKLFICYVESLFCNLFNRYNFKVHLLYVLPVLEDSPLVPQKGS 182

Qy 181 FQMVHCNCSVHECCCLVPPVPTAKLNDTLMLCLKITSGGVIFQSPMSVOPINNVKPDPP 240

Db 183 FQMVHCNCSVHECCCLVPPVPTAKLNDTLMLCLKITSGGVIFQSPMSVOPINNVKPDPP 242

Qy 241 LGLHMEITDDGNLKISNSSPPLVPFQYQVYKYSNSTTIVIRADKIVSATSLVDSILP 300

Db 243 LGLHMEITDDGNLKISNSSPPLVPFQYQVYKYSNSTTIVIRADKIVSATSLVDSILP 302

Qy 301 GSSYEVOVRKRLDGPVSDWSTPRVFTTQDVIYFPKILTSVGSNVSFHCYKKNKI 360

Db 303 GSSYEVOVRKRLDGPVSDWSTPRVFTTQDVIYFPKILTSVGSNVSFHCYKKNKI 362

Qy 361 VPSKEIYVWNNLAEKIPQSOYDVVSDHVSQVTFNKLNETKPRGKFTYDAVYCCNEHECHH 420

Db 363 VPSKEIYVWNNLAEKIPQSOYDVVSDHVSQVTFNKLNETKPRGKFTYDAVYCCNEHECHH 422

Qy 421 RYAEIYVIDVNIINISCTDGYLTMTKRCWSTSTIOSLAESTLQRLYHRSSLYCSDIPSIH 480

Db 423 RYAEIYVIDVNIINISCTDGYLTMTKRCWSTSTIOSLAESTLQRLYHRSSLYCSDIPSIH 482

Qy 481 PISEPKDCYLOSDGFYECIFQPIFLLSGVTMTWIRINHSGLSDSPPTCVLPVSVKPLPP 540

Db 483 PISEPKDCYLOSDGFYECIFQPIFLLSGVTMTWIRINHSGLSDSPPTCVLPVSVKPLPP 542

Qy 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKYEVYDAKSVSPLV 600

Db 543 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKYEVYDAKSVSPLV 602

Qy 601 PDLCAVYAVQVRCKRLDGLGYWSNWSNPAYTVMDIKVPMRGPEFWRIINGDTMKKEKNV 660

Db 603 PDLCAVYAVQVRCKRLDGLGYWSNWSNPAYTVMDIKVPMRGPEFWRIINGDTMKKEKNV 662

Qy 661 TLLWKLPMKNDLSQVQRYVINHHTSCNGTWSDEDVGNHTKFTFLWTEQHTVTVLAINSI 720



CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Poissant, Brian M.  
REGISTRATION NUMBER: 28,462  
REFERENCE/DOCKET NUMBER: 8907-032  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 869-9741/8864  
TELEFAX: (212) 869-9741/8864  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 960 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-640-389A-3

Query Match 99.1%; Score 4325; DB 2; Length 960;  
Best Local Similarity 99.4%; Pred. No. 0;  
Matches 796; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 MICQKFCVLLHWEFIYVITAFNLSYPTTPWRFKLSCHMPNPNSTYDYFLLPAGLSKNTS 60  
DB 3 MICQKFCVLLHWEFIYVITAFNLSYPTTPWRFKLSCHMPNPNSTYDYFLLPAGLSKNTS 62  
QY 61 NGHYETAPEKFNSSGTHFNSLKTTHCCFRSEQDRNCSLCADNIEGKTFVSTVNSLVF 120  
DB 63 NGHYETAPEKFNSSGTHFNSLKTTHCCFRSEQDRNCSLCADNIEGRTFVSTVNSLVF 122  
QY 121 QOIDANNIQCWLKGLKFLICYVESLFKNLFRNRYNKVHLLYVLPVLEDSPLVPQKGS 180  
DB 123 QOIDANNIQCWLKGLKFLICYVESLFKNLFRNRYNKVHLLYVLPVLEDSPLVPQKGS 182  
QY 181 FQMVHCNCSVHECCCLVPVPTAKLNDTLMLCKLITSGGVIFQSPPLMSVQPINNVKPDPP 240  
DB 183 FQMVHCNCSVHECCCLVPVPTAKLNDTLMLCKLITSGGVIFRSPLMSVQPINNVKPDPP 242  
QY 241 LGLHMETDGNLKNISNPPPLVPELQYQVYKYSNSTTVIREADKIVSATSLDVSILP 300  
DB 243 LGLHMETDGNLKNISNPPPLVPELQYQVYKYSNSTTVIREADKIVSATSLDVSILP 302  
QY 301 GSSYEVOVRKRLDGPGLWSDMSTPRVFTTQDVIYFPFKILTSVGSNVSFHCYKKNKI 360  
DB 303 GSSYEVOVRKRLDGPGLWSDMSTPRVFTTQDVIYFPFKILTSVGSNVSFHCYKKNKI 362  
QY 361 VPSKEIYVWNNLAEKIPQSQDYDVVSDHVSQVTFNLTNETPRGFTYDAYVCCNEHCHH 420  
DB 363 VPSKEIYVWNNLAEKIPQSQDYDVVSDHVSQVTFNLTNETPRGFTYDAYVCCNEHCHH 422  
QY 421 RYAEIYVIDVNIINISCTDGLTKMTCRWSTSTIOSLAESTLQLRYHRSLSYSDIPSII 480  
DB 423 RYAEIYVIDVNIINISCTDGLTKMTCRWSTSTIOSLAESTLQLRYHRSLSYSDIPSII 482  
QY 481 PISEPKDCYQLQSDGFYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVRPLPP 540  
DB 483 PISEPKDCYQLQSDGFYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVRPLPP 542  
QY 541 SSVKAEITINIGLLKISWEKVPVPENNLQFOIRYGLSGKEVQWKMVEYDAKSKVSLPV 600  
DB 543 SSVKAEITINIGLLKISWEKVPVPENNLQFOIRYGLSGKEVQWKMVEYDAKSKVSLPV 602  
QY 601 PDLCAVAVOVRKRLDGLGYSWNSNPATVYVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
DB 603 PDLCAVAVOVRKRLDGLGYSWNSNPATVYVMDIKVPMRGPEFWRIINGDTMKKEKNV 662  
QY 661 TLLWKLPMKNDLSQVRYVINHTSCNGTWSQDVGNHTKFTFLWTEQATVTVLAINSI 720  
DB 663 TLLWKLPMKNDLSQVRYVINHTSCNGTWSQDVGNHTKFTFLWTEQATVTVLAINSI 722  
QY 721 GASVANENLTFSPMKSQVNTVQSLASAYPLNSSCVIVSWILSPSDYKLMYFIIEMKNLNE 780  
DB 723 GASVANENLTFSPMKSQVNTVQSLASAYPLNSSCVIVSWILSPSDYKLMYFIIEMKNLNE 782

QY 781 GEIKWLRISSSVKKYIYHGKF 801  
DB 783 GEIKWLRISSSVKKYIYHDHF 803

RESULT 9  
US-08-693-696-8  
Sequence 8, Application US/08693696  
Patent No. 6005080  
GENERAL INFORMATION:  
APPLICANT: Snodgrass, H. R.  
APPLICANT: Cioffi, Joseph  
APPLICANT: Zupancic, Thomas J.  
APPLICANT: Shafer, Alan W.  
TITLE OF INVENTION: Hu-B1.219, A NOVEL HUMAN HEMATOPOIETIN  
TITLE OF INVENTION: RECEPTOR  
NUMBER OF SEQUENCES: 31  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: IBM PC compatible  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/693,696  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/355,888  
FILING DATE: 14-DEC-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Poissant, Brian M.  
REGISTRATION NUMBER: 28,462  
REFERENCE/DOCKET NUMBER: 7225-078  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741/8864  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 960 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-693-696-8

Query Match 99.1%; Score 4325; DB 3; Length 960;  
Best Local Similarity 99.4%; Pred. No. 0;  
Matches 796; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 MICQKFCVLLHWEFIYVITAFNLSYPTTPWRFKLSCHMPNPNSTYDYFLLPAGLSKNTS 60  
DB 3 MICQKFCVLLHWEFIYVITAFNLSYPTTPWRFKLSCHMPNPNSTYDYFLLPAGLSKNTS 62  
QY 61 NGHYETAPEKFNSSGTHFNSLKTTHCCFRSEQDRNCSLCADNIEGKTFVSTVNSLVF 120  
DB 63 NGHYETAPEKFNSSGTHFNSLKTTHCCFRSEQDRNCSLCADNIEGRTFVSTVNSLVF 122  
QY 121 QOIDANNIQCWLKGLKFLICYVESLFKNLFRNRYNKVHLLYVLPVLEDSPLVPQKGS 180  
DB 123 QOIDANNIQCWLKGLKFLICYVESLFKNLFRNRYNKVHLLYVLPVLEDSPLVPQKGS 182  
QY 181 FQMVHCNCSVHECCCLVPVPTAKLNDTLMLCKLITSGGVIFQSPPLMSVQPINNVKPDPP 240  
DB 183 FQMVHCNCSVHECCCLVPVPTAKLNDTLMLCKLITSGGVIFRSPLMSVQPINNVKPDPP 242







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QY 781 GEIKWLRISSSVKYYIHGKF 801
Db 783 GEIKWLRISSSVKYYIHDF 803

RESULT 11
US-08-588-526-3
; Sequence 3, Application US/08588526
; Patent No. 5882860
; GENERAL INFORMATION:
; APPLICANT: Snodgrass, H.
; APPLICANT: Cioffi, Joseph
; APPLICANT: Zupancic, Thomas
; APPLICANT: Shafer, Alan
; TITLE OF INVENTION: DETECTION OF A LEPTIN RECEPTOR
; TITLE OF INVENTION: VARIANT
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: US
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/588.526
; FILING DATE: 18-JAN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-030
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 908 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-588-526-3

Query Match 98.98; Score 4315; DB 2; Length 908;
Best Local Similarity 99.18; Pred. No. 0;
Matches 794; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 MICOKFCVLLHWEFIYITAFNLSYPTTPWRFKLSQMPNSTYDYFLLPAGLSKNTSNS 60
Db 3 MICOKFCVLLHWEFIYITAFNLSYPTTPWRFKLSQMPNSTYDYFLLPAGLSKNTSNS 62
QY 61 NGHYETAVERKFNSSGTHFSNLSKTTTHCCFRSEQDRNCSLCADNIEGKTFVSTVNSLVF 120
Db 63 NGHYETAVERKFNSSGTHFSNLSKATPHCCFRSEQDRNCSLCADNIEGTFVSTVNSLVF 122
QY 121 QQIDANNIQCWLKGLDKLFICVYESLFKNLFNRYNKKVHLLVLPVLVEDSPVLPQKGS 180
Db 123 QQIDANNIQCWLKGLDKLFICVYESLFKNLFNRYNKKVHLLVLPVLVEDSPVLPQKGS 182
QY 181 FQMVHCNCSVHECECECLVPVPTAKLNDTLMCLKITSGGVIFOSPLMSVOPINNVKPDPP 240
Db 183 FQMVHCNCSVHECECECLVPVPTAKLNDTLMCLKITSGGVIFRSPLMSVOPINNVKPDPP 242
QY 241 LGLHMEITDDGNLKIWSSPPLVPFPLOQYQVYSENSTTVIREADKIYVTSATSLVDSILP 300

Db 243 LGLHMEITDDGNLKIWSSPPLVPFPLOQYQVYSENSTTVIREADKIYVTSATSLVDSILP 302
QY 301 GSSYEYQVGRKRLDGGPGIWSQDSTPRVFTTQDVYIPPKILTSGVSNVSPHCYKKNKI 360
Db 303 GSSYEYQVGRKRLDGGPGIWSQDSTPRVFTTQDVYIPPKILTSGVSNVSPHCYKKNKI 362
QY 361 VPSKEIYVMMNLAEKIPQSQYQVSDHVSQVTFNFKPRGKFTYDAYVCCNEHECHH 420
Db 363 VPSKEIYVMMNLAEKIPQSQYQVSDHVSQVTFNFKPRGKFTYDAYVCCNEHECHH 422
QY 421 RYAEIYVIVNINISCTDGYLTGKTCRSTSTIQSLAESTLQRLYHRSLSYCDIPSIH 480
Db 423 RYAEIYVIVNINISCTDGYLTGKTCRSTSTIQSLAESTLQRLYHRSLSYCDIPSIH 482
QY 481 PISEPKDCYLQSDGFYECIFQPIFLLSGYTWMIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540
Db 483 PISEPKDCYLQSDGFYECIFQPIFLLSGYTWMIRINHSLSGLSDSPPTCVLPDSVVKPLPP 542
QY 541 SSVKABITNIGLLKISWEKVPFENNLFQIRYGLSGKEVQMKYEVYDAKSKSVSLPV 600
Db 543 SSVKREITNIGLLKISWEKVPFENNLFQIRYGLSGKEVQMKYEVYDRKSKSVSLPV 602
QY 601 PDLCAVAVOVRCRDLGLGYSNWSNPAYTVMDIKVPMRGPFWRIINGDTMKKNV 660
Db 603 PDLCAVAVOVRCRDLGLGYSNWSNPAYTVMDIKVPMRGPFWRIINGDTMKKNV 662
QY 661 TLLWKPLMKNDSLCSVQRYVINHTSCNCTWSEDVGNHTKFTFLWTEQAHVTVLAINSI 720
Db 663 TLLWKPLMKNDSLCSVQRYVINHTSCNCTWSEDVGNHTKFTFLWTEQAHVTVLAINSI 722
QY 721 GASVANFNLTFSWPMKVNIVOSLSAYPLNNSCVIVSWILSPSDYKLMYFIIEMKNLNE 780
Db 723 GASVANFNLTFSWPMKVNIVOSLSAYPLNNSCVIVSWILSPSDYKLMYFIIEMKNLNE 782
QY 781 GEIKWLRISSSVKYYIHGKF 801
Db 783 GEIKWLRISSSVKYYIHDF 803

RESULT 12
US-08-640-389A-11
; Sequence 11, Application US/08640389A
; Patent No. 5912123
; GENERAL INFORMATION:
; APPLICANT: Snodgrass, H. R.
; APPLICANT: Cioffi, Joseph
; APPLICANT: Zupancic, Thomas J.
; APPLICANT: Shafer, Alan W.
; TITLE OF INVENTION: DETECTION OF THE LEPTIN
; TITLE OF INVENTION: RECEPTOR IN REPRODUCTIVE ORGANS AND METHODS FOR
; TITLE OF INVENTION: REGULATING REPRODUCTIVE BIOLOGY
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 29-APR-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-032
```

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741/8864  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1165 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
US-08-640-389A-11

Query Match		98.8%	Score 4309;	DB 2;	Length 1165;
Best Local Similarity		99.1%	Pred. No. 0;		
Matches 794;		Conservative	0;	Mismatches	7;
				Indels	0;
				Gaps	0;
QY	1	MICQKFCVLLHWEFIYVITAFNLSPITPWRFKLSCHMPNSTDYFLLPAGLSKNTS	60		
DB	1	MICQKFCVLLHWEFIYVITAFNLSPITPWRFKLSCHMPNSTDYFLLPAGLSKNTS	60		
QY	61	NGHYETAPEPKFNSSGTHFSNLSKTFHCCFRSEQDRNCSLCADNTEGKTFVSTVNSL	120		
DB	61	NGHYETAPEPKFNSSGTHFSNLSKTFHCCFRSEQDRNCSLCADNTEGKTFVSTVNSL	120		
QY	121	QOIDANNITQCNLKGDLKFCYVESLFKNLFRNRYKVHLLVYLVPEVLEDSPLVPKGS	180		
DB	121	QOIDANNITQCNLKGDLKFCYVESLFKNLFRNRYKVHLLVYLVPEVLEDSPLVPKGS	180		
QY	181	QOIDANNITQCNLKGDLKFCYVESLFKNLFRNRYKVHLLVYLVPEVLEDSPLVPKGS	240		
DB	181	QOIDANNITQCNLKGDLKFCYVESLFKNLFRNRYKVHLLVYLVPEVLEDSPLVPKGS	240		
QY	241	LGLHMETTDGNNLKISWSSPPLVPFPLOQYKYSNSTTVTREADKIVSATSLLVDSILP	300		
DB	241	LGLHMETTDGNNLKISWSSPPLVPFPLOQYKYSNSTTVTREADKIVSATSLLVDSILP	300		
QY	301	GSSYEVOVRKRLDGPISWSDSTPRVFTQDVIYFPFKILTSGVSNVSEHCIIYKKNKI	360		
DB	301	GSSYEVOVRKRLDGPISWSDSTPRVFTQDVIYFPFKILTSGVSNVSEHCIIYKKNKI	360		
QY	361	VPSKEIYVWNNLAEKIPQSDVYSDHVSQVTFENLNETKRGFTYDAVYCCNEHECHH	420		
DB	361	VPSKEIYVWNNLAEKIPQSDVYSDHVSQVTFENLNETKRGFTYDAVYCCNEHECHH	420		
QY	421	RYAELIVDNNINISCTDGYLTAKTCTWSTSTIOSLAESTLQRLYHSSSLYCSIPSII	480		
DB	421	RYAELIVDNNINISCTDGYLTAKTCTWSTSTIOSLAESTLQRLYHSSSLYCSIPSII	480		
QY	481	PISPEKCYLQSDGFEYCFIFQIFELLGTYTWMIRINHSLGSDSPTCYLPDSVVKPLPP	540		
DB	481	PISPEKCYLQSDGFEYCFIFQIFELLGTYTWMIRINHSLGSDSPTCYLPDSVVKPLPP	540		
QY	541	SSVKAETINTGLLKISKEKVPFENNLOFQIRYGLSGKEVQWKNYEVDAKSKSVSLPV	600		
DB	541	SSVKAETINTGLLKISKEKVPFENNLOFQIRYGLSGKEVQWKNYEVDAKSKSVSLPV	600		
QY	601	PDLCAVAVQVRCKRLDGLGYSNNSNPAYTVMDIKVPMRGPEFWRIINGDTMKKKNV	660		
DB	601	PDLCAVAVQVRCKRLDGLGYSNNSNPAYTVMDIKVPMRGPEFWRIINGDTMKKKNV	660		
QY	661	TLMLPKMNDLSCSVQRYVYVNHHTSCNTWSEDVGNHTKFTFLWTEQAHVTVLAINSI	720		
DB	661	TLMLPKMNDLSCSVQRYVYVNHHTSCNTWSEDVGNHTKFTFLWTEQAHVTVLAINSI	720		
QY	721	GASVANFNLTFSWPMKVNIVQSLAYPLNSCVIYVSWILSPSDYKLMYFIIEWKNLNE	780		
DB	721	GASVANFNLTFSWPMKVNIVQSLAYPLNSCVIYVSWILSPSDYKLMYFIIEWKNLNE	780		
QY	781	GEIKWLRISSVKKYIYHGKF 801			
DB	781	GEIKWLRISSVKKYIYHDF 801			

RESULT 13  
US-08-640-389A-10  
Sequence 10, Application US/08640389A  
Patent No. 5912123  
GENERAL INFORMATION:  
APPLICANT: Snodgrass, H. R.  
APPLICANT: Cioffi, Joseph  
APPLICANT: Zupancic, Thomas J.  
APPLICANT: Shafer, Alan W.  
TITLE OF INVENTION: DETECTION OF THE LEPTIN  
RECEPTOR IN REPRODUCTIVE ORGANS AND METHODS FOR  
REGULATING REPRODUCTIVE BIOLOGY  
TITLE OF INVENTION: REGULATING REPRODUCTIVE BIOLOGY  
NUMBER OF SEQUENCES: 16  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds LLP  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/640,389A  
FILING DATE: 29-APR-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Poissant, Brian M.  
REGISTRATION NUMBER: 28,462  
REFERENCE/DOCKET NUMBER: 8907-032  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741/8864  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 896 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
US-08-640-389A-10

Query Match		98.5%	Score 4297;	DB 2;	Length 896;
Best Local Similarity		98.8%	Pred. No. 0;		
Matches 791;		Conservative	2;	Mismatches	8;
				Indels	0;
				Gaps	0;
QY	1	MICQKFCVLLHWEFIYVITAFNLSPITPWRFKLSCHMPNSTDYFLLPAGLSKNTS	60		
DB	1	MICQKFCVLLHWEFIYVITAFNLSPITPWRFKLSCHMPNSTDYFLLPAGLSKNTS	60		
QY	61	NGHYETAPEPKFNSSGTHFSNLSKTFHCCFRSEQDRNCSLCADNTEGKTFVSTVNSL	120		
DB	61	NGHYETAPEPKFNSSGTHFSNLSKTFHCCFRSEQDRNCSLCADNTEGKTFVSTVNSL	120		
QY	121	QOIDANNITQCNLKGDLKFCYVESLFKNLFRNRYKVHLLVYLVPEVLEDSPLVPKGS	180		
DB	121	QOIDANNITQCNLKGDLKFCYVESLFKNLFRNRYKVHLLVYLVPEVLEDSPLVPKGS	180		
QY	181	QOIDANNITQCNLKGDLKFCYVESLFKNLFRNRYKVHLLVYLVPEVLEDSPLVPKGS	240		
DB	181	QOIDANNITQCNLKGDLKFCYVESLFKNLFRNRYKVHLLVYLVPEVLEDSPLVPKGS	240		
QY	241	LGLHMETTDGNNLKISWSSPPLVPFPLOQYKYSNSTTVTREADKIVSATSLLVDSILP	300		
DB	241	LGLHMETTDGNNLKISWSSPPLVPFPLOQYKYSNSTTVTREADKIVSATSLLVDSILP	300		

QY 301 GSSYEVOVRGRLDGPGLIWSQWSTPRVFTTQDVYFPPKILTSVGSNVSFHCYIKKENKI 360  
DB 301 GSSYEVOVRGRLDGPGLIWSQWSTPRVFTTQDVYFPPKILTSVGSNVSFHCYIKKENKI 360  
QY 361 VPSKEIWMNMNLAEKIPQSQDYVSDRVSKVTFFNLNETKPRGFTYDAVYCCNEHECHH 420  
DB 361 VPSKEIWMNMNLAEKIPQSQDYVSDRVSKVTFFNLNETKPRGFTYDAVYCCNEHECHH 420  
QY 421 RYAELYVIDVNIINISCTDGYLTKMTCRWSTSTIQSLAESTLQLRHRSLSYCDIPSIIH 480  
DB 421 RYAELYVIDVNIINISCTDGYLTKMTCRWSTSTIQSLAESTLQLRHRSLSYCDIPSIIH 480  
QY 481 PISEPKDCYLOSDGFYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540  
DB 481 PISEPKDCYLOSDGFYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540  
QY 541 SSVKAEITINTGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKMVEYDAKSKSVSLPV 600  
DB 541 SSVKAEITINTGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKMVEYDAKSKSVSLPV 600  
QY 601 PDLCAVYAVQVRCKRLDGLGYWNSNPNAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
DB 601 PDLCAVYAVQVRCKRLDGLGYWNSNPNAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
QY 661 TLLWKLPMKNDLSLCSVQRYVINHHTSCNGTWSQWSDVGNHTKFTFLWTEQAHVTVLAINSI 720  
DB 661 TLLWKLPMKNDLSLCSVQRYVINHHTSCNGTWSQWSDVGNHTKFTFLWTEQAHVTVLAINSI 720  
QY 721 GASVANFNLTFSWPMKVNIVQSLAYSAYPLNSSCVIVSWILSPSDYKLMYFIIEMKNLNE 780  
DB 721 GASVANFNLTFSWPMKVNIVQSLAYSAYPLNSSCVIVSWILSPSDYKLMYFIIEMKNLNE 780  
QY 781 GEIKWLRISSSVKYYIHDHF 801  
DB 781 GEIKWLRISSSVKYYIHDHF 801

RESULT 14

US-08-640-389A-9  
Sequence 9, Application US/08640389A  
Patent No. 5912123

GENERAL INFORMATION:

APPLICANT: Snodgrass, H. R.  
APPLICANT: Clouff, Joseph  
APPLICANT: Zupancic, Thomas J.  
APPLICANT: Shafer, Alan W.  
TITLE OF INVENTION: DETECTION OF THE LEPTIN  
RECEPTOR IN REPRODUCTIVE ORGANS AND METHODS FOR  
REGULATING REPRODUCTIVE BIOLOGY  
NUMBER OF SEQUENCES: 16  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds LLP  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036-2711

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/640,389A  
FILING DATE: 29-APR-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Poissant, Brian M.  
REGISTRATION NUMBER: 28,462  
REFERENCE/DOCKET NUMBER: 8907-032  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741/8864

TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 906 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
US-08-640-389A-9

Query Match 98.5%; Score 4297; DB 2; Length 906;  
Best Local Similarity 98.8%; Pred. No. 0;  
Matches 791; Conservative 2; Mismatches 8; Indels 0; Gaps 0;

QY 1 MICQKFCVLLHWEFIVITAFNLSYDITPWRFKLSKMPNPNSTYDYFLLPAGLSKNTSNS 60  
DB 1 MICQKFCVLLHWEFIVITAFNLSYDITPWRFKLSKMPNPNSTYDYFLLPAGLSKNTSNS 60  
QY 61 NGHYETAVERPKFNSGTHFSNLSKTTTFFHCPRSEQDRNCSLCADNIBGKTFVSTVNSLVF 120  
DB 61 NGHYETAVERPKFNSGTHFSNLSKATFHCPRSEQDRNCSLCADNIBGRTFVSTVNSLVF 120  
QY 121 QQIDANNIOCLWKGDLKLFICYVESLKFNLFRNYKVVHLLVYLVPELSDPLVPQKGS 180  
DB 121 QQIDANNIOCLWKGDLKLFICYVESLKFNLFRNYKVVHLLVYLVPELSDPLVPQKGS 180  
QY 181 FQMVHCNCSVHECECLVPPVPTAKLNDTLMLCKLITSGGVIFQSPPLMSVOPINNVKPDPP 240  
DB 181 FQMVHCNCSVHECECLVPPVPTAKLNDTLMLCKLITSGGVIFRSPPLMSVOPINNVKPDPP 240  
QY 241 LGLHMETDQGNLKIWSPPPLVPPFLOQYQVYKYSNTTIVIRREADKIVSATSLDVSILP 300  
DB 241 LGLHMETDQGNLKIWSPPPLVPPFLOQYQVYKYSNTTIVIRREADKIVSATSLDVSILP 300  
QY 301 GSSYEVOVRGRLDGPGLIWSQWSTPRVFTTQDVYFPPKILTSVGSNVSFHCYIKKENKI 360  
DB 301 GSSYEVOVRGRLDGPGLIWSQWSTPRVFTTQDVYFPPKILTSVGSNVSFHCYIKKENKI 360  
QY 361 VPSKEIWMNMNLAEKIPQSQDYVSDRVSKVTFFNLNETKPRGFTYDAVYCCNEHECHH 420  
DB 361 VPSKEIWMNMNLAEKIPQSQDYVSDRVSKVTFFNLNETKPRGFTYDAVYCCNEHECHH 420  
QY 421 RYAELYVIDVNIINISCTDGYLTKMTCRWSTSTIQSLAESTLQLRHRSLSYCDIPSIIH 480  
DB 421 RYAELYVIDVNIINISCTDGYLTKMTCRWSTSTIQSLAESTLQLRHRSLSYCDIPSIIH 480  
QY 481 PISEPKDCYLOSDGFYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540  
DB 481 PISEPKDCYLOSDGFYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540  
QY 541 SSVKAEITINTGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKMVEYDAKSKSVSLPV 600  
DB 541 SSVKAEITINTGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKMVEYDAKSKSVSLPV 600  
QY 601 PDLCAVYAVQVRCKRLDGLGYWNSNPNAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
DB 601 PDLCAVYAVQVRCKRLDGLGYWNSNPNAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
QY 661 TLLWKLPMKNDLSLCSVQRYVINHHTSCNGTWSQWSDVGNHTKFTFLWTEQAHVTVLAINSI 720  
DB 661 TLLWKLPMKNDLSLCSVQRYVINHHTSCNGTWSQWSDVGNHTKFTFLWTEQAHVTVLAINSI 720  
QY 721 GASVANFNLTFSWPMKVNIVQSLAYSAYPLNSSCVIVSWILSPSDYKLMYFIIEMKNLNE 780  
DB 721 GASVANFNLTFSWPMKVNIVQSLAYSAYPLNSSCVIVSWILSPSDYKLMYFIIEMKNLNE 780  
QY 781 GEIKWLRISSSVKYYIHDHF 801  
DB 781 GEIKWLRISSSVKYYIHDHF 801

## US-08-640-389A-8

; Sequence 8, Application US/08640389A  
; Patent No. 5912123  
; GENERAL INFORMATION:  
; APPLICANT: Snodgrass, H. R.  
; APPLICANT: Cioffi, Joseph  
; APPLICANT: Zupancic, Thomas J.  
; APPLICANT: Shafer, Alan W.  
; TITLE OF INVENTION: DETECTION OF THE LEPTIN  
; TITLE OF INVENTION: RECEPTOR IN REPRODUCTIVE ORGANS AND METHODS FOR  
; TITLE OF INVENTION: REGULATING REPRODUCTIVE BIOLOGY  
; NUMBER OF SEQUENCES: 16  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds LLP  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10036-2711  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/640,389A  
; FILING DATE: 29-APR-1996  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Polissant, Brian M.  
; REGISTRATION NUMBER: 28,462  
; REFERENCE/DOCKET NUMBER: 8907-032  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 790-9090  
; TELEFAX: (212) 869-9741/8864  
; TELEX: 66141 PENNIE  
; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 958 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: unknown  
; MOLECULE TYPE: peptide  
; US-08-640-389A-8

Query Match 98.5%; Score 4297; DB 2; Length 958;  
Best Local Similarity 98.8%; Pred. No. 0;  
Matches 791; Conservative 2; Mismatches 8; Indels 0; Gaps 0;

QY	1	MICOKFCVLLHWEFYVITAFNLSYPTWPKFCLSCMPNPNSTYDYFLLPAGLSKNTSNS	60
Db	1	MICOKFCVLLHWEFYVITAFNLSYPTWPKFCLSCMPNPNSTYDYFLLPAGLSKNTSNS	60
QY	61	NGHYETAPEKFNSSGTHFSNLSKTFPHCCFSEQRNCSLCADNIEGKTFVSTVNSLVF	120
Db	61	NGHYETAPEKFNSSGTHFSNLSKTFPHCCFSEQRNCSLCADNIEGKTFVSTVNSLVF	120
QY	121	QQIDANNIOCLWGLKGLKFCVSVESFKNLFNRYNKVHLLYVLPVLEDSPLVPQKGS	180
Db	121	QQIDANNIOCLWGLKGLKFCVSVESFKNLFNRYNKVHLLYVLPVLEDSPLVPQKGS	180
QY	181	FQMVHCNCSVHECCCLVPVPTAKLNDTLMLCKLITSGGVIFQSPMSVQPINNVKPDPP	240
Db	181	FQMVHCNCSVHECCCLVPVPTAKLNDTLMLCKLITSGGVIFQSPMSVQPINNVKPDPP	240
QY	241	LGLHMETDDGNLKIWSHSPPLVPFPLOYQVYKSENSTTVIREADKIVSATSLVDSILP	300
Db	241	LGLHMETDDGNLKIWSHSPPLVPFPLOYQVYKSENSTTVIREADKIVSATSLVDSILP	300
QY	301	GSSYEVOVRCKRLDGGIWSGDWSTPRVFTTQDVIYPPPKILTSGVSNVSPHCYKKNKI	360
Db	301	GSSYEVOVRCKRLDGGIWSGDWSTPRVFTTQDVIYPPPKILTSGVSNVSPHCYKKNKI	360

QY	361	VPSKEIIVWNNLAEKIPQSQDYDVSDHVSKVTFEFLNENETKPRGKFTYDAYVCCNEHECHH	420
Db	361	VPSKEIIVWNNLAEKIPQSQDYDVSDHVSKVTFEFLNENETKPRGKFTYDAYVCCNEHECHH	420
QY	421	RYAELVIDVNIINISCTDGYLTKMTCRNWSTSIQSLAESTLQIRYHRSSLYCSDIPSIH	480
Db	421	RYAELVIDVNIINISCTDGYLTKMTCRNWSTSIQSLAESTLQIRYHRSSLYCSDIPSIH	480
QY	481	PISEPKDCYLQSDGFECEIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVWKPPLP	540
Db	481	PISEPKDCYLQSDGFECEIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVWKPPLP	540
QY	541	SSVKAETITINIGLLKISWEKPVFPENNLOQIRYGLSGKEVQNMKYEVYDAKSKSVSLPV	600
Db	541	SSVKAETITINIGLLKISWEKPVFPENNLOQIRYGLSGKEVQNMKYEVYDAKSKSVSLPV	600
QY	601	POLCAVYAVQVRCKRLDGLGYWSNPNATYVMDIKVPMRGPEFWRIINGDTMKKEKNV	660
Db	601	POLCAVYAVQVRCKRLDGLGYWSNPNATYVMDIKVPMRGPEFWRIINGDTMKKEKNV	660
QY	661	TLLWKPMLKNDLSLCSVQRYVINHHTSCNGTWSGDNHKTFTLWTEQAHTVTVLAINSI	720
Db	661	TLLWKPMLKNDLSLCSVQRYVINHHTSCNGTWSGDNHKTFTLWTEQAHTVTVLAINSI	720
QY	721	GASVANFNLTFSWPMKVNIVQSLSAYPLNNSCVIVSWILSPSDYKLMYFIIWKKNLNE	780
Db	721	GASVANFNLTFSWPMKVNIVQSLSAYPLNNSCVIVSWILSPSDYKLMYFIIWKKNLNE	780
QY	781	GEIKWLRISSSVKKYIHGKF 801	
Db	781	GEIKWLRISSSVKKYIHDF 801	

Search completed: March 29, 2002, 09:50:12  
Job time: 227 sec



6090; DB 23; Length 804;  
No. 0.00e+00;  
Mismatches 0; Indels 0; Gaps 0;

PTTPWRFKLSCMPPNSTYDYFLLPAGLSKNTS 60  
PTTPWRFKLSCMPPNSTYDYFLLPAGLSKNTS 60  
TTFHCCFRSEQDRNCSLCADNIEGKTFVSTVNSLVF 120  
KTFHCCFRSEQDRNCSLCADNIEGKTFVSTVNSLVF 120  
CYVESLFKNLFRNYNYKVHLLYVLPVLEDSPLVPQKGS 180  
CYVESLFKNLFRNYNYKVHLLYVLPVLEDSPLVPQKGS 180  
TAKLNDTLLMCLKITSGGVIFQSPMLSVQPINMVKPDPP 240  
TAKLNDTLLMCLKITSGGVIFQSPMLSVQPINMVKPDPP 240  
VPFPLOYQVKYSENSTTVIREADKIVSATSLLVDSILP 300  
VPFPLOYQVKYSENSTTVIREADKIVSATSLLVDSILP 300  
STPRVFTTQDVIIYFPPKILTSVGSNVSFHCIIYKKNKI 360  
STPRVFTTQDVIIYFPPKILTSVGSNVSFHCIIYKKNKI 360  
VSDHVSQVTFNENETKPRGKFTYDAVYCCNEHECHH 420  
VSDHVSQVTFNENETKPRGKFTYDAVYCCNEHECHH 420  
KMTCRWSTSTIQSLAESTLQRLYHRSSLYCSDIPSIIH 480  
KMTCRWSTSTIQSLAESTLQRLYHRSSLYCSDIPSIIH 480  
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FLLSGYTMWIRINHSGLSDSPPTCVLPDSVVKPLPP 540  
PENNLOFQIRYGLSGKEVQWKMYEVDKSKSVSLPV 600  
PENNLOFQIRYGLSGKEVQWKMYEVDKSKSVSLPV 600  
NWSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
NWSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
HTSCNGTWSERVEDGNHTKFTFLWTEQAHTVTVLAINSI 720  
HTSCNGTWSERVEDGNHTKFTFLWTEQAHTVTVLAINSI 720  
LSAYPLNSSCVIVSWILSPSDYKLMYFIIWKNLNED 780  
LSAYPLNSSCVIVSWILSPSDYKLMYFIIWKNLNED 780

601 PDLCVAVQVRCRDLGLGWSNPNAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
601 PDLCVAVQVRCRDLGLGWSNPNAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
661 TLLWKPLMKNDLSQVQRYVINHTSCNGTWSERVEDGNHTKFTFLWTEQAHTVTVLAINSI 720  
661 TLLWKPLMKNDLSQVQRYVINHTSCNGTWSERVEDGNHTKFTFLWTEQAHTVTVLAINSI 720  
721 GASVANFNLTFSWPMKSVNIVQSLAYPLNSSCVIVSWILSPSDYKLMYFIIWKNLNED 780  
721 GASVANFNLTFSWPMKSVNIVQSLAYPLNSSCVIVSWILSPSDYKLMYFIIWKNLNED 780  
781 GEIKWLRISSSVKKYIHKFTIL 804  
781 GEIKWLRISSSVKKYIHKFTIL 804

US-08-774-414-13  
STANDARD;  
PRT: 804 AA.

xxxxxx

Sequence 13, Application US/08774414

Sequence 13, Application US/08774414  
GENERAL INFORMATION:

CC APPLICANT: CHANG, MING-SHI  
CC APPLICANT: WELCHER, ANDREW A.  
CC APPLICANT: FLETCHER, FREDERICK A.  
CC TITLE OF INVENTION: OB PROTEIN RECEPTOR AND RELATED  
CC TITLE OF INVENTION: COMPOSITIONS AND METHODS  
CC NUMBER OF SEQUENCES: 33  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Amgen Inc.  
CC STREET: 1840 Dehavilland Drive  
CC CITY: Thousand Oaks  
CC STATE: California  
CC COUNTRY: USA  
CC ZIP: 91320  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: PatentIn Release #1.0, Version #1.30  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/774.414  
CC FILING DATE:  
CC CLASSIFICATION: 424  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Pessin, Karol M.  
CC REFERENCE/DOCKET NUMBER: A-382-A  
CC INFORMATION FOR SEQ ID NO: 13:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 804 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: protein  
SQ SEQUENCE 804 AA; 91862 MW; 3765058 CN;

W/ 116676  
Ameglas

Query Match 100.0%; Score 6090; DB 12; Length 804;  
Best Local Similarity 100.0%; Pred. No. 0.00e+00;  
Matches 804; Conservative 0; Mismatched 0; Indels 0; Gaps

Db 1 MICQKFCVLLHWEFIYVITAFNLSYPTTPWRFKLSCMPPNSTYDYFLLPAGLSKNTS 60  
Qy 1 MICQKFCVLLHWEFIYVITAFNLSYPTTPWRFKLSCMPPNSTYDYFLLPAGLSKNTS 60  
Db 61 NGHETAVEPKFNSSGTHFSNLSKITTFHCCFRSEQDRNCSLCADNIEGKTFVSTVNSLVF 120  
Qy 61 NGHETAVEPKFNSSGTHFSNLSKITTFHCCFRSEQDRNCSLCADNIEGKTFVSTVNSLVF 120  
Db 121 QQIDANWNIQWLKGDGLKFCYVESLFKNLFRNYNYKVHLLYVLPVLEDSPLVPQKGS 180  
Qy 121 QQIDANWNIQWLKGDGLKFCYVESLFKNLFRNYNYKVHLLYVLPVLEDSPLVPQKGS 180  
Db 181 FQMVHCNCSVHECCVLPVPTAKLNDTLLMCLKITSGGVIFQSPMLSVQPINMVKPDPP 240  
Qy 181 FQMVHCNCSVHECCVLPVPTAKLNDTLLMCLKITSGGVIFQSPMLSVQPINMVKPDPP 240  
Db 241 LGLHMEITDDGNLKSISWSSPLVPFPLOYQVKYSENSTTVIREADKIVSATSLLVDSILP 300  
Qy 241 LGLHMEITDDGNLKSISWSSPLVPFPLOYQVKYSENSTTVIREADKIVSATSLLVDSILP 300  
Db 301 GSSYEVOVRGKRLDGPQIWSWDSTPRVFTTQDVIIYFPPKILTSVGSNVSFHCIIYKKNKI 360  
Qy 301 GSSYEVOVRGKRLDGPQIWSWDSTPRVFTTQDVIIYFPPKILTSVGSNVSFHCIIYKKNKI 360  
Db 361 VPSKEIVWMNLAEKIPQSQYDVVSDHVSQVTFNENETKPRGKFTYDAVYCCNEHECHH 420  
Qy 361 VPSKEIVWMNLAEKIPQSQYDVVSDHVSQVTFNENETKPRGKFTYDAVYCCNEHECHH 420  
Db 421 RYAEIVDIVNINISCEITDGLYTKMTCRWSTSTIQSLAESTLQRLYHRSSLYCSDIPSIIH 480  
Qy 421 RYAEIVDIVNINISCEITDGLYTKMTCRWSTSTIQSLAESTLQRLYHRSSLYCSDIPSIIH 480  
Db 481 PISEPKDCYLQSDGFYECIFQIFLLSGYTMWIRINHSGLSDSPPTCVLPDSVVKPLPP 540  
Qy 481 PISEPKDCYLQSDGFYECIFQIFLLSGYTMWIRINHSGLSDSPPTCVLPDSVVKPLPP 540  
Db 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKMYEVDKSKSVSLPV 600  
Qy 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKMYEVDKSKSVSLPV 600  
Db 601 PDLCVAVQVRCRDLGLGWSNPNAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
Qy 601 PDLCVAVQVRCRDLGLGWSNPNAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
Db 661 TLLWKPLMKNDLSQVQRYVINHTSCNGTWSERVEDGNHTKFTFLWTEQAHTVTVLAINSI 720  
Qy 661 TLLWKPLMKNDLSQVQRYVINHTSCNGTWSERVEDGNHTKFTFLWTEQAHTVTVLAINSI 720  
Db 721 GASVANFNLTFSWPMKSVNIVQSLAYPLNSSCVIVSWILSPSDYKLMYFIIWKNLNED 780  
Qy 721 GASVANFNLTFSWPMKSVNIVQSLAYPLNSSCVIVSWILSPSDYKLMYFIIWKNLNED 780  
Db 781 GEIKWLRISSSVKKYIHKFTIL 804  
Qy 781 GEIKWLRISSSVKKYIHKFTIL 804

Last 4